

Fire Apparatus Driver / Operator Aerial

Certification Procedure Guide



This Certification Procedure Guide reflects the requirements of:

**NFPA 1002: Standard for Fire Apparatus Driver / Operator Professional
Qualifications, 2017 Edition**

Introduction to Fire Apparatus Driver / Operator Aerial Certification

FSTB Certification website: <https://dps.iowa.gov/divisions/state-fire-marshal/fire-service-training/certification-accreditation>

Certification Program email: fstbcert@dps.state.ia.us

FSTB Certification phone number: 515-727-3447

Candidates wishing to attain national certification at the Fire Apparatus Driver / Operator - Aerial through the Iowa Fire Service Training Bureau Certification System must start the process by submitting an Examination Registration Form along with the Registration Fee of \$50 due at the time of registration.

The form is available on the certification page of the FSTB website (link provided above) or you can click on the following links to go directly to the forms:

[Written Examination Registration Form](#)

[Practical Skills Examination Registration Form](#)

Each Registration Form (Written and Practical Skills) lists the designated regional sites where examinations are offered with the current schedule of examination locations and dates. Candidates are given twelve (12) months to complete each certification process. This time limit starts when the candidate takes their FIRST examination (written or practical skills) in this level.

Starting July 1, 2019 the initial Registration Fee of \$50 allows the candidate one (1) attempt to pass each component, written and practical skills, of the examination. If the candidate fails both the written and practical skills exams, they are charged \$50 to retake **EACH** examination again (i.e., must pay \$100 to take both exams again). If the candidate fails only one of the examinations (either written or practical skills), they are charged \$50 to retake the failed exam.

The FSTB stopped the process of allowing free retakes of examinations beginning on July 1, 2019. If the candidate started their certification process prior to July 1, 2019 then the candidate will be allowed to continue their process under the former rules until that process is exhausted (after completing the one free retake). If the candidate fails the free retake, then the candidate will pursue certification under the current rules.

Candidates will have two (2) attempts to pass each skill station during the practical exam. If the candidate fails both attempts at any skill station, this constitutes a practical exam failure for that specific certification level and the candidate will be responsible for notifying the FSTB of their desire to retake the Practical Skills Exam by registering for another scheduled examination site on the FSTB Certification web page. Candidates may not take the practical exam more than once per day.

If the twelve (12) month time limit expires and the candidate has not successfully completed all the requirements for this certification process, the candidate will have to restart the process. All information and documentation relating to the previous certification attempt will be removed from the FSTB database.

Local Documentation Forms must be submitted and approved within the twelve (12) months from when the candidate starts the certification process for this level.

Fire Apparatus Driver / Operator - Aerial Certification Requirements

Prerequisites:

Candidates pursuing certification at the Fire Apparatus Driver / Operator - Aerial level must meet the following conditions:

1. Be a current member of a fire, emergency or rescue organization within the State of Iowa or enrolled in a Fire Science program within the Iowa College System. All candidates pursuing certification shall be at least 18 years of age.
2. Be certified to the HazMat Awareness & Operations level according to the NFPA 472 - Standard for Competence of Responders to Hazardous Materials / Weapons of Mass Destruction Incidents or the NFPA 1072 - Standard for Hazardous Materials / Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications.
3. Be certified to the Fire Fighter I level according to the NFPA 1001 - Standard for Fire Fighter Professional Qualifications.
4. Be certified to the Fire Apparatus Driver / Operator - Pumper level according to the NFPA 1002 - Standard for Fire Apparatus Driver / Operator Professional Qualifications.

Written Examination:

The Fire Apparatus Driver / Operator - Aerial written examination is based on Job Performance Requirements listed in NFPA 1002 - Standard for Fire Apparatus Driver / Operator Professional Qualifications, 2017 Edition.

- The Fire Apparatus Driver / Operator - Aerial written examination contains 75 multiple choice questions.
- Candidates are required to score a minimum of 70% on the written examination. Candidates who fail the written examination are responsible for notifying the FSTB of their desire to retake the written examination by registering for another examination site and paying another registration fee of \$50. Candidates may not take the written examination more than once per day.
- The below chart shows the maximum time allowed for the written examinations based on the number of questions on the examination.

Number of Questions	Maximum Time Allowed
25	30 Minutes
50	60 Minutes
75	90 Minutes
100	120 Minutes

Practical Skills Examination:

The Fire Apparatus Driver / Operator - Aerial practical skills examination is based on Job Performance Requirements listed in NFPA 1002 - Standard for Fire Apparatus Driver / Operator Professional Qualifications, 2017 Edition.

- Practical skills are evaluated on a Pass / Fail basis determined by completing 100% of the skill steps.
- **Three (3)** skills will be randomly selected and evaluated for each examination site.
- Candidates are allowed two (2) attempts to pass each skill station. Candidates failing their first attempt will return to the designated staging area and upon availability, be evaluated on their second attempt by a different evaluator. Candidates who fail both attempts, constituting a failure of the practical skills examination, are responsible for notifying the FSTB of their desire to retake the practical skills examination by registering for another examination site and paying another registration fee of \$50. Candidates may not take the practical skills examination more than once per exam day.

Practical Skills Available for Evaluation:

1. Preventative Maintenance: Operational Inspections
2. Driving / Operating: Road Course
3. Driving / Operating: Cone Course
4. Operations: Maneuver, Position, and Stabilize an Aerial Apparatus
5. Operations: Maneuver and Position the Aerial Device from Each Control Station and Using the Emergency Operations System
6. Operations: Deploy and Operate an Elevated Master Stream

Local Documentation Form:

1. The candidate may submit the **2 PAGE** Local Documentation Form, signed by the Fire Chief, Training Officer or College Program Chair at ANY time during the one-year time frame AFTER their examination registration has been entered into the FSTB Certification database.

References / Textbooks:

- IFSTA, *Pumping & Aerial Apparatus Driver / Operator Handbook*, 3rd Edition, 2015
- J&B, *Fire Apparatus Driver / Operator: Pump, Aerial, Tiller and Mobile Water Supply*, 2nd Edition, 2016

Please keep a copy of all your certification documentation for your records.

Fire Apparatus Driver / Operator Aerial

Local Documentation Form Page 1

NFPA 1002 - 2017

Candidate's Name: _____

Candidate's Fire Department: _____

FSTB ID # _____ Date of Birth _____

(First 5 letters of last name & last 4 digits of SS #)

Local Documentation Requirements

1. NFPA 1002 - 2017, Driving / Operating 4.3.1: Operate a fire apparatus:

The candidate has successfully demonstrated the ability to operate a fire apparatus that incorporates maneuvers and features that the driver / operator is expected to encounter during normal operations, so that the vehicle is operated in compliance with all applicable state and local laws and departmental rules and regulations..

2. NFPA 1002 - 2017, Driving / Operating 4.3.6: Operate a fire apparatus:

The candidate has successfully demonstrated the ability to operate a vehicle using defensive driving techniques, given an assignment and a fire apparatus, so that control of the vehicle is maintained.

3. NFPA 1002 - 2017, General Knowledge Requirements 5.2.2:

The candidate is knowledgeable about the organization of the fire department; the role of the driver / operator in the organization; the fire department's standard operating procedures (SOPs) and rules and regulations as they apply to the driver / operator.

4. NFPA 1002 -2017, Operations Requisite Knowledge 6.2.1:

The candidate is knowledgeable about the capabilities and limitations of the aerial device related to reach, tip, load, angle of inclination, and angle from chassis axis; effects of topography, ground, and weather conditions on deployment; and the use of the aerial device.

This section is to be completed by Fire Chief, Training Officer or College Program Chair

I affirm that the candidate identified above has met the requirements listed in the above paragraph(s). All requirements have been successfully conducted and completed per local department protocol and procedures.

Information listed above can be validated by a copy of the documents maintained by the department.

Fire Chief / Training Officer / College Program Chair (**PRINT**)

Fire Chief / Training Officer / College Program Chair (**SIGNATURE**)

CIRCLE ONE

Date: _____ Fire Department or College: _____

Agency Phone Number: _____ Contact Email: _____

Once a candidate starts the certification process for this level, this form can be submitted at ANY time during the candidate's one-year time period to complete this certification.

Scan the completed document and email to: fstbcert@dps.state.ia.us

Local Documentation Form Page 2 (Driving Evaluation)

No.	Evaluated Skill Items	Competency	
		Pass	Fail
1.	Possessed valid driver's license in accordance with department SOP.		
2.	Operated passenger restraint devices.		
3.	Ensured all occupants were seated and restrained.		
4.	Maintained safe following distances.		
5.	Maintained control of vehicle while accelerating, decelerating, and turning.		
6.	Used automotive gauges and controls.		
7.	Used turn signals.		
8.	Operated within all traffic laws and department SOPs.		
9.	Performed all required maneuvers on predetermined route (if applicable):		
	a. Four left turns.		
	b. Four right turns.		
	c. Straight section of business street or two-lane rural road at least 1 mile long.		
	d. One through intersection.		
	e. Two intersections where a stop has to be made.		
	f. One railroad crossing (may be simulated/designated if no track in district)		
	g. One curve, either left or right.		
	h. Section of limited-access highway with conventional entrance/exit ramps.		
	i. Two lane changes on highway.		
	j. Downgrade steep enough to require down-shifting and braking.		
	k. Upgrade steep enough and long enough to require gear changing.		
	l. Underpass or a low clearance or bridge.		

This section is to be completed by the Driving Evaluator

I affirm that the candidate identified on this form has demonstrated the above driving and operating techniques in compliance with the NFPA 1002, all applicable state and laws, and local departmental policies and procedures.
Information listed above can be validated by a copy of the documents maintained by the department.

Candidate Name: _____ FSTB ID#: _____

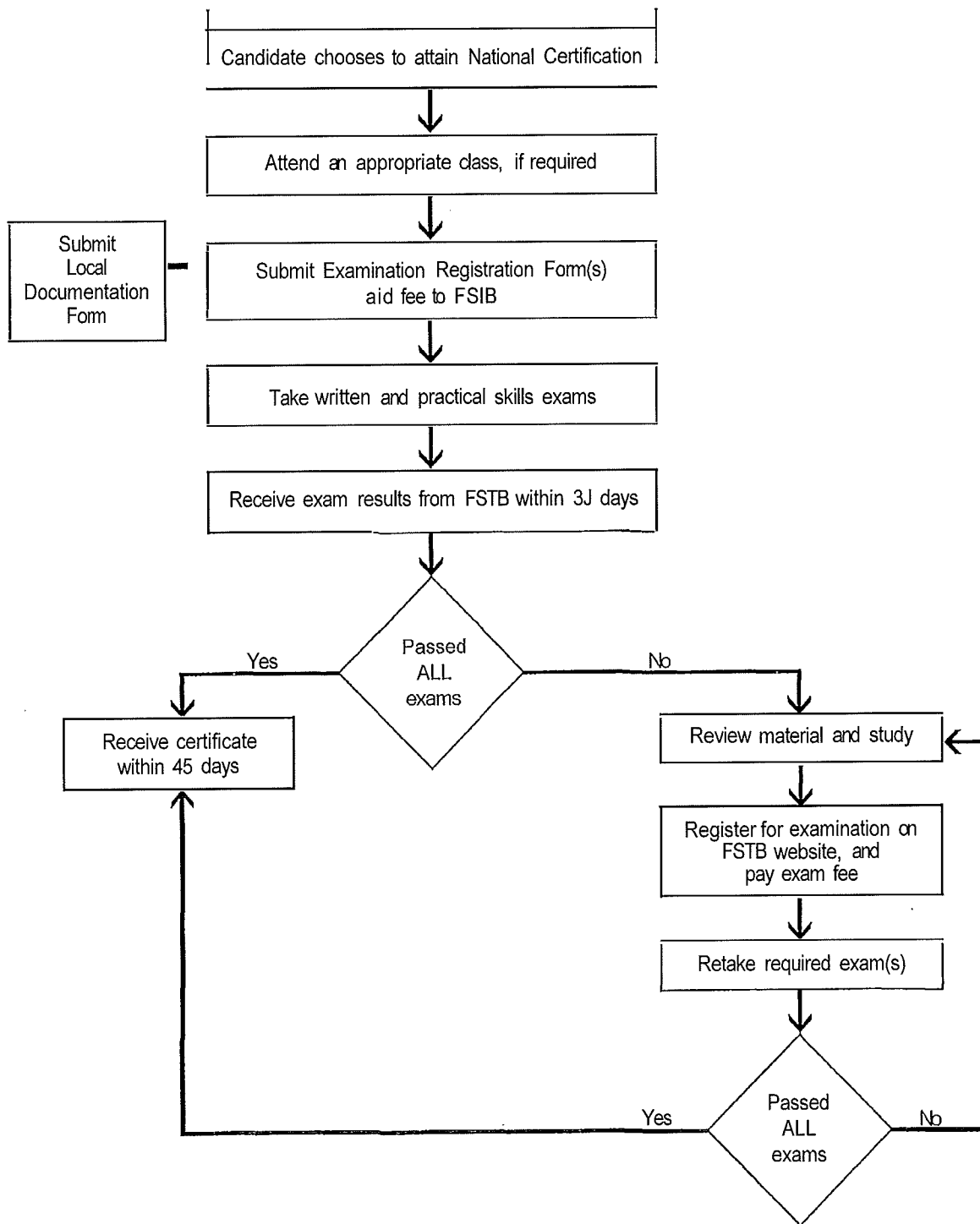
 Typed or Printed Name of Driving Evaluator

 Signature of Driving Evaluator

Date: _____ Fire Department or College: _____

Agency Phone Number: _____ Agency Email: _____

Certification Flow Chart for Fire Apparatus Driver Operator - Aerial



You have twelve (12) months to complete this process or you MUST start over.